

AN 1998-220793 [20] WPIX Full-text  
DNN N1998-174667 DNC C1998-069836

TI Gas sensor element for **measuring concentration** oxide(s) of nitrogen, carbon - includes oxide layer made up of oxide(s) of noble metals, formed on surface of insulated substrate.

DC E36 J04 S03

PA (NIGA) NGK INSULATORS LTD

CYC 1

PI JP--10062374 A 19980306 (199820)\* 6p G01N-027-12 <--

ADT JP--10062374 A 1996JP-0214624 19960814

PRAI 1996JP-0214624 19960814

IC ICM G01N-027-12

AB ~~JP 10062374 A~~ UPAB: 19980528

The sensor element (1) includes an insulated substrate (2) on whose surface an oxide layer (5) is formed. The resistance of the oxide layer varies based on constituent contained in the gas study. The oxide layer is made up of oxides of predetermined noble metals like rhodium which is liquefied in tin oxide.

ADVANTAGE - The sensor expands NOx **concentration measuring** range remarkably, and eliminates interference of NOx and CO **concentration measuring** time.

Dwg. 1/9

FS CPI EPI

FA AB; GI; DCN

MC CPI: E11-Q03; E31-H05; J04-C04

EPI: S03-E02A